

Product datasheet for **VC100010**

III (AC_000017) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	III (AC_000017) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	III
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC100010 represents NCBI reference of AP_000507 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**

ATGAGGCGAGCGCGATGTATGAAGAAGGACCTCCACCCTCTACGAGTCCGTGGTGAGCGCCGACCCG
 TGGCAGCTGCTTTGGGCAGCCATTTCGATGCCCACTGGACCCCCATTTCGTGCCGCCAGATACCTTAG
 ACCGACCGGAGGACGCAACTCCATCAGGTACTCTGAACCTCGCCCCGCTTTTCGACACAACCAGGGGTAC
 CTGGTGGATAATAAGTCAACAGATGTGGCAAGCCTGAATTACCAGAACGACCATAGTAATTTTTTACCA
 CTGTGATACAGAATAATGACTACTCTCCCGGCGAGGCTTCAACACAGACAATCAACTCGATGATCGATC
 CCACTGGGGCGGCGATCTGAAGACTATACTCCATACTAATATGCCAAACGTTAACGAATTTATGTTACCC
 AATAAGTTCAAAGCCCGGTCATGGTATCCCGTCCCTACTAAAGACAAGCAAGTGAAGTGAATACG
 AGTGGGTGGAGTTCACCCTGCCTGAGGGCAATTACTCCGAGACCATGACTATAGATCTGATGAATAACGC
 AATTGTGGAACATTATCTCAAAGTCGGGCGCCAGAATGGTGTCTCGAATCCGACATTGGAGTTAAATTT
 GACACCCGCAATTTCCGGCTGGGCTTTGATCCGGTGACGGGTCTGGTGTATGCCCGCGGTGTATACAATG
 AGGCATTCATCCCGACATAATTTTGTGCCTGGCTGCGGCGTCTGACTTCACCCACTCAAGACTGAGCAA
 CCTTCTTGGGATCCGAAACGGCAGCCGTTCCAGGAAGGCTTTAGAATTACGTACGACGACTTGAAGGT
 GGCAACATCCCTGCCTTGTCTGATGTGGATGCCTATCAAGCCAGCCTCAAAGATGACTGAGCAGGGGG
 GCGGGGTGCAGGTGGCGGGAATAACTCTGGATCAGGCGCGGAAGAGAAGTCAAATGCCGCTGCCGCTGC
 TATGCAACCTGTTGAGGACATGAACGACCACGCCATACGAGGAGACACCTTTGCCACAAGAGTGAAGAA
 AAAAGGGCCGAGGACAGGCGAGCCGCTGAAGCCGCTGCCCTGCAGCGGAGGCGCCGAGCAGAAAGTCCG
 AGAAACCGCAGAAAAAGCCTGTCAATTAAGCCATTGACGGAGGACAGCAAGAAGAGATCTACAACCTGAT
 CTCCAACGACTCTACTTTACACAGTATAGATCATGGTATCTGGCTTATAATTACGGCGATCCTCAGGCA
 GGTATTCGGAGTTGGACACTTCTGTGTACCCCGATGTAACATGCGGATCTGAACAGGTGTACTGGAGTC
 TGCCAGATATGATGCAGGACCCCGTACATTCCGCTCTACCAGTACAGTCTCAAATTTTCCCGTAGTAGG
 GGCCGAGCTGCTGCCAGTGCCTCAAAGTCTTTTACAATGACCAAGCAGTGTACTCCCAGCTGATACGC
 CAGTTTACCTCATTGACTCACGTCTTTAACCGGTTCCCGGAGAATCAGATCCTGGCGCGCCCTCCAGCTC
 CTACGATTACTACAGTTTCAGAAAACGTGCCAGCTCTACCGATCACGGTACCCTCCACTGCGCAATTC
 CATCGGGGAGTTACGCGGTTACCATTACGGACGCTCGCAGGAGGACCTGTCCTTACGTATACAAAGCT
 CTTGGGATCGTGAGCCCGCGGTGTTGAGCAGTGAACCTTT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100010 representing AP_000507
 Red=Cloning sites Green=Tags

MRRAAMYEEGPPPSYESVSAAPVAAALGSPFDAPLDPPFVPPRYLRPTGGRNSIRYSELAPLFDTRRVY
 LVDNKSTDVASLNYQNDHSNFLTIVIQNDYSPGEASTQTINLDDRSHWGGDLKTIHLHTMNPVNEFMFT
 NKFARVMVSRSLTKDKQVELKYEWVEFTLPEGNYSETMTIDL MNNAIVEHYLKVGRQNGVLESIDIGVKF
 DTRNFRLGFDPVTLVMPGVYTNFAHPDIILLPGCGVDFTHSRLSNLLGIRKRQPFQEGFRITYDDLEG
 GNIPALLDVDAYQASLKDDTEQGGGAGGGNNSGSGAEENSNAAMQPVEDMNDHAIRGDTFATRAEE
 KRAEAEAAEAAPAAEAQPEVEKPKKPKVIKPLTEDSKKRSYNLISNDSTFTQYRSWYLANYGDPQA
 GIRSWTLLCTPDVTCGSEQVYWSLPDMMQDPVTFRSTSQISNFPVVGAE LLPVHSKSFYNDQAVYSQLIR
 QFTSLTHVFNRFENQILARPPAPTITTVSENPALTDHGTLPLRNSIGGVQRVTITDARRRTPVYVYKA
 LGIVSPRVLSSRTF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: AC_000017

ORF Size: 1722 bp

OTI Disclaimer: The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [AC_000017.1](#), [AP_000507](#)

RefSeq ORF: 1722 bp

MW: 63.5 kDa